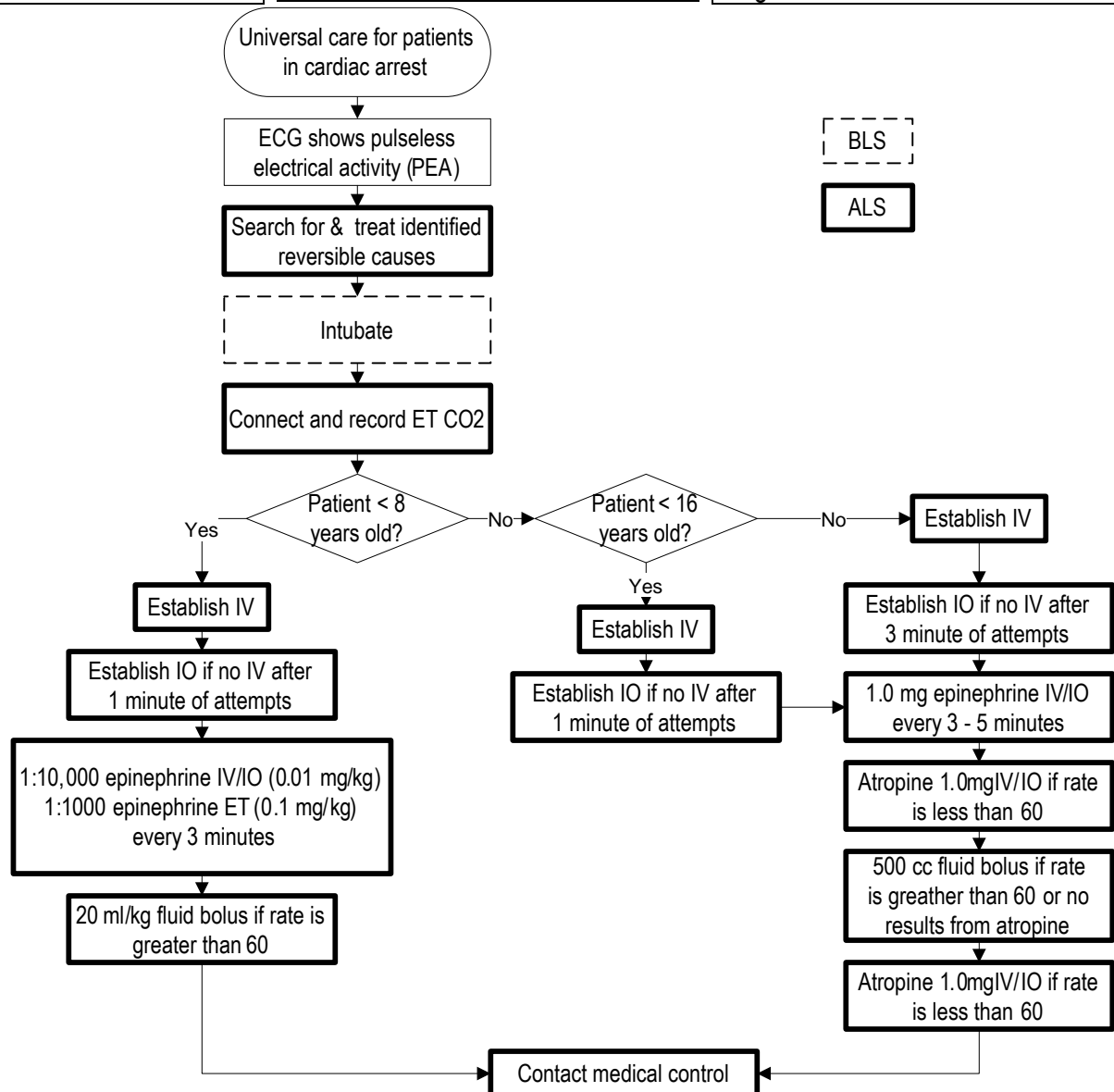


Initiated: 11/73  
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Revision 18

**MILWAUKEE COUNTY EMS  
MEDICAL PROTOCOL  
PULSELESS ELECTRICAL ACTIVITY**

Approved by: Ronald Pirrallo, MD, MHSA  
Signature:  
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**NOTES:**

- Potentially reversible causes of PEA: OD, hypovolemia, pneumothorax, tamponade, hypothermia, hypoxia, acidosis, hyper/hypokalemia, PE, coronary thrombosis.
- When unable to establish an IV, epinephrine and atropine are to be administered via ETT at 2.0 mg doses.
- The maximum total dose of atropine is 0.04 mg/kg.
- For pediatric patients:  
 High dose epinephrine is not indicated in pediatric patients with IV/IO access.  
 High dose epinephrine is only indicated when administered via ETT.  
 Atropine is not indicated in patients less than 8 years old.